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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

003BUS

First Inventor

Hammestfahr

Title

Meth. Diagnosis and Treatment and...

Express Mail Label No.

E19535654100S

JC961 U.S. PTO
09/841546

04/23/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 23]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 5]
 - a. ☐ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
 - b. ☒ (for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: 09/101,934

Prior application information:

Examiner F. Jaworski

Group Art Unit: 3737

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name

Address

City

Country

PATENT TRADEMARK OFFICE

Telephone

Zip Code

Fax

Name (Print/Type)

Richard Coate Williams Jr.

Registration No. (Attorney/Agent)

22080

Signature

[Signature]

Date

23 Apr 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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PTO/SB/17 (11-00)

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FEE TRANSMITTAL**for FY 2001**

Customer No. 26830

Patent fees are subject to annual revision.

Complete if Known

| | |
|----------------------|----------------|
| Application Number | Herewith |
| Filing Date | 11 |
| First Named Inventor | Hammesfahr |
| Examiner Name | M. F. Jaworski |
| Group Art Unit | 3737 |
| Attorney Docket No. | 003 BUS |

TOTAL AMOUNT OF PAYMENT

(\$) 355.00

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 20-0336
 Deposit Account Name: Technology Licensing Co.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed: Both CHK 1066

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION**1. BASIC FILING FEE**

| Large Entity Fee Code | Small Entity Fee Code | Fee Description | Fee Paid |
|-----------------------|-----------------------|------------------------|----------|
| 101 710 201 355 | | Utility filing fee | 355 |
| 106 320 206 160 | | Design filing fee | |
| 107 490 207 245 | | Plant filing fee | |
| 108 710 208 355 | | Reissue filing fee | |
| 114 150 214 75 | | Provisional filing fee | |

SUBTOTAL (1) (\$)**2. EXTRA CLAIM FEES**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent Claims | -20** = | X | |
| Multiple Dependent | -3** = | X | |

| Large Entity Fee Code | Small Entity Fee Code | Fee Description |
|-----------------------|-----------------------|--|
| 103 18 203 9 | | Claims in excess of 20. |
| 102 80 202 40 | | Independent claims in excess of 3 |
| 104 270 204 135 | | Multiple dependent claim, if not paid |
| 109 80 209 40 | | ** Reissue independent claims over original patent |
| 110 18 210 9 | | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

| Large Entity Fee Code | Small Entity Fee Code | Fee Description | Fee Paid |
|-----------------------|-----------------------|--|----------|
| 105 130 205 65 | | Surcharge - late filing fee or oath | |
| 127 50 227 25 | | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 139 130 | | Non-English specification | |
| 147 2,520 147 2,520 | | For filing a request for <i>ex parte</i> reexamination | |
| 112 920* 112 920* | | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* 113 1,840* | | Requesting publication of SIR after Examiner action | |
| 115 110 215 55 | | Extension for reply within first month | |
| 116 390 216 195 | | Extension for reply within second month | |
| 117 890 217 445 | | Extension for reply within third month | |
| 118 1,390 218 695 | | Extension for reply within fourth month | |
| 128 1,890 228 945 | | Extension for reply within fifth month | |
| 119 310 219 155 | | Notice of Appeal | |
| 120 310 220 155 | | Filing a brief in support of an appeal | |
| 121 270 221 135 | | Request for oral hearing | |
| 138 1,510 138 1,510 | | Petition to institute a public use proceeding | |
| 140 110 240 55 | | Petition to revive - unavoidable | |
| 141 1,240 241 620 | | Petition to revive - unintentional | |
| 142 1,240 242 620 | | Utility issue fee (or reissue) | |
| 143 440 243 220 | | Design issue fee | |
| 144 600 244 300 | | Plant issue fee | |
| 122 130 122 130 | | Petitions to the Commissioner | |
| 123 50 123 50 | | Processing fee under 37 CFR 1.17(q) | |
| 126 180 126 180 | | Submission of Information Disclosure Stmt | |
| 581 40 581 40 | | Recording each patent assignment per property (times number of properties) | |
| 146 710 246 355 | | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 710 249 355 | | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 710 279 355 | | Request for Continued Examination (RCE) | |
| 169 900 169 900 | | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**SUBMITTED BY**

| | | | | | |
|-------------------|----------------------|-----------------------------------|-------------|-----------|--------------|
| Name (Print/Type) | Richard G. W. Wilson | Registration No. (Attorney/Agent) | 22080 | Telephone | 727 781 0089 |
| Signature | [Signature] | Date | 23 Apr 2001 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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|---|--|---|--|---|--|
| FORM PTO-100 (REV. 12-97) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 003AUS | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (if known, see 37 CFR 1.3) | |
| INTERNATIONAL APPLICATION NO. PCT/US97/01576 | | INTERNATIONAL FILING DATE 29 January 97 | | PRIORITY DATE CLAIMED 31 January 1996 | |
| TITLE OF INVENTION Method of Diagnosis and Treatment and Related Compositions and Apparatus | | | | | |
| APPLICANT(S) FOR DO/EO/US William M. Hammesfahr | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)): a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)): a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | | |
| Items 11. to 16. below concern document(s) or information included: | | | | | |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (see Remarks) | | | | | |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | | |
| 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. | | | | | |
| 14. <input type="checkbox"/> A substitute specification. | | | | | |
| 15. <input type="checkbox"/> A change of power of attorney and/or address letter. | | | | | |
| 16. <input type="checkbox"/> Other items or information: | | | | | |
| US Examining Officer for PCT: Ms. Rebecca Cook 703-308-1235 PCT Publication: WO97/27745 (1st Page attached) | | | | | |